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TANAKA KAZUHIKO;**Assignee:** KURARAY CO LTD  
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C08L 67/02; C08L 67/02; D01F 1/02; D01F 6/90; D01F 6/92;  
D01F 6/92; D01F 8/14; D06M 23/00;**Priority Number:** 1988-09-29 JP1988000246066**Abstract:** PURPOSE: To obtain the subject fiber useful as diapers, carpets, etc., without deteriorating deodorant and antimicrobial performances even in frequent washing by dispersing a mixture of zinc-based inorganic fine particles with a polyester-based compound in a thermoplastic polymer.CONSTITUTION: The objective fiber obtained by dispersing (A) 0.1-10wt.% inorganic fine particles, consisting of zinc oxide and silicon dioxide at (1:5)-(5:1) weight ratio and mostly containing zinc silicate of an amorphous structure with  $\leq 5\mu$  average particle diameter and (B) 0.1-10wt.% liquid polyester-based compound having  $\geq 10P$  viscosity at 10-25°C melting point in (C) a thermoplastic polymer having  $\geq 150^\circ\text{C}$  melting point.

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**Family:** None**Forward References:** Go to Result Set: Forward references (1)

PDF	Patent	Pub.Date	Inventor	Assignee	Title
	US6723428	2004-04-20	Foss; Stephen W.	Foss Manufacturing Co., Inc.	Anti-microbial fiber and fibrous products

**Other Abstract Info:**

DERABS C90-159153 DERC90-159153



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